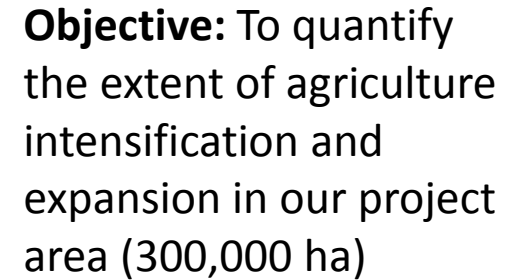
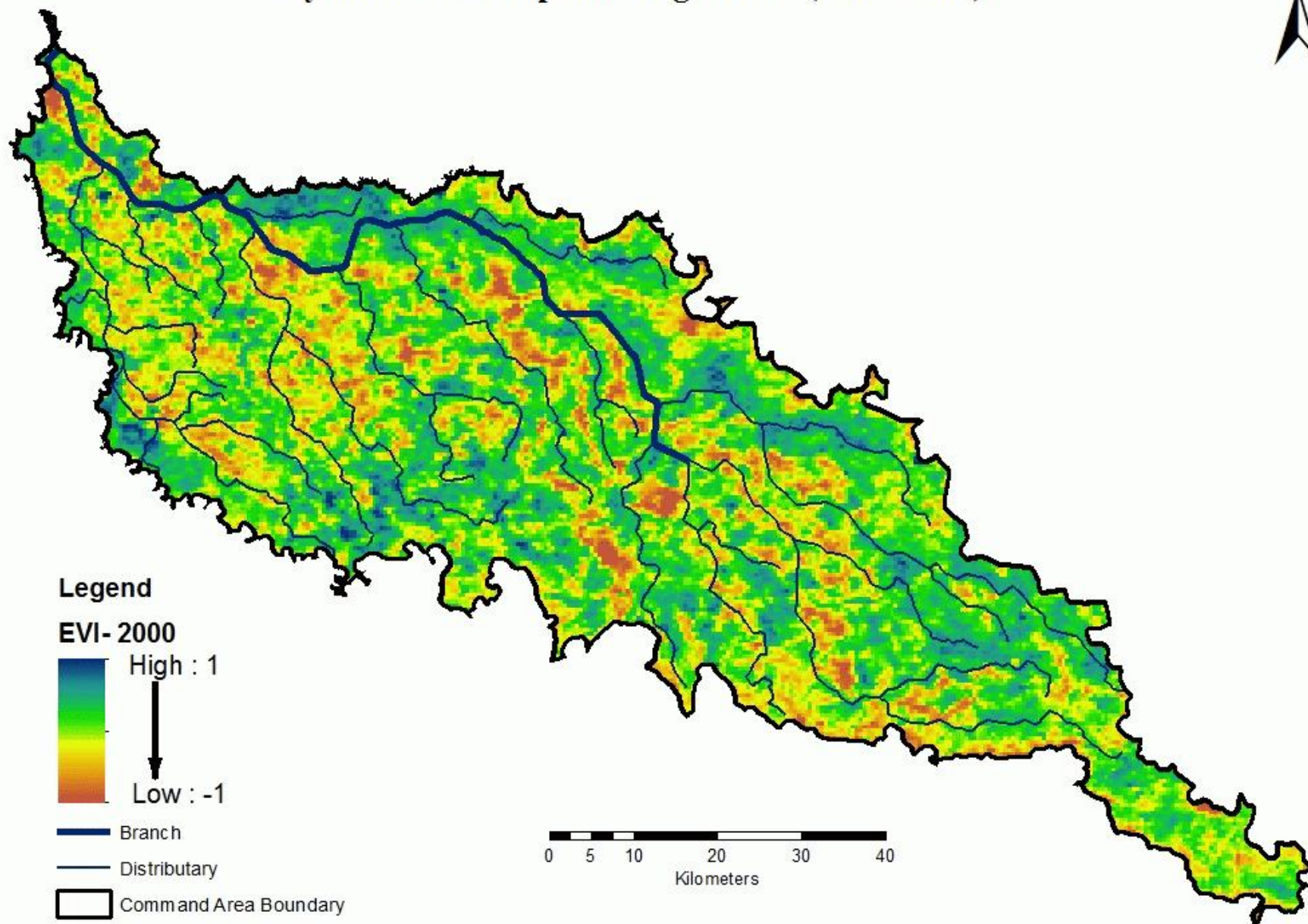


(Dr. Chandrashekhara Biradar, Oklahoma State University
Winston Yu and Anju Gaur, World Bank)

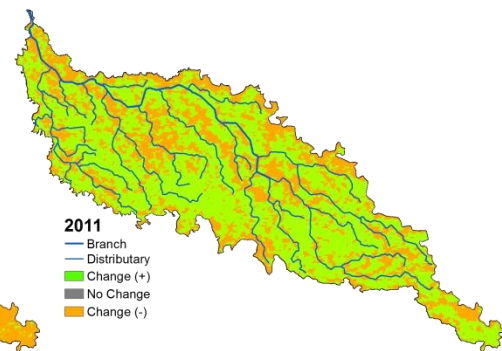
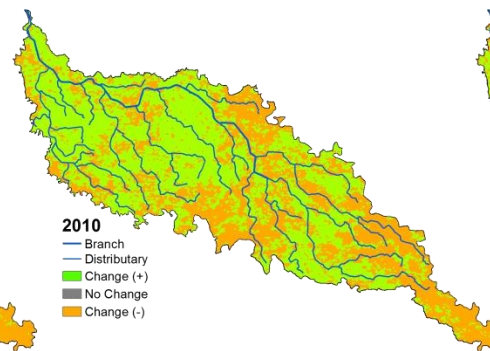
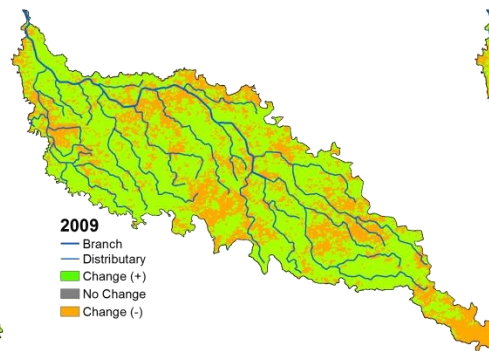
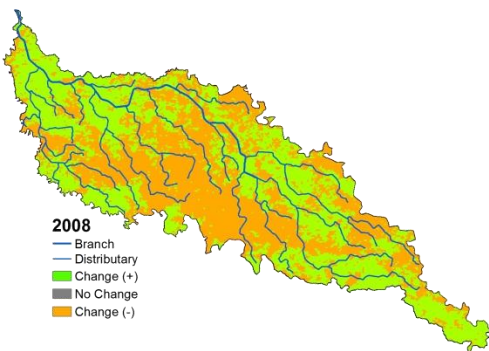
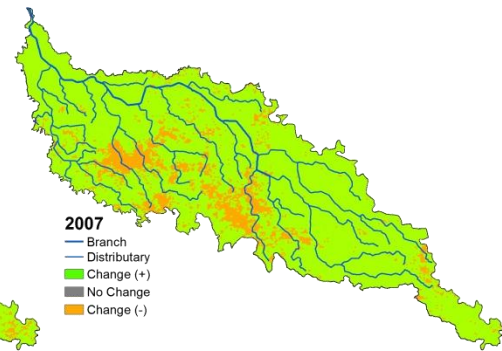
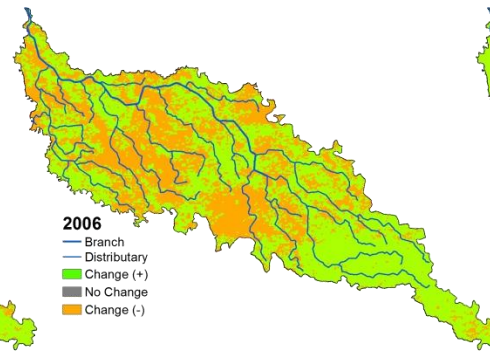
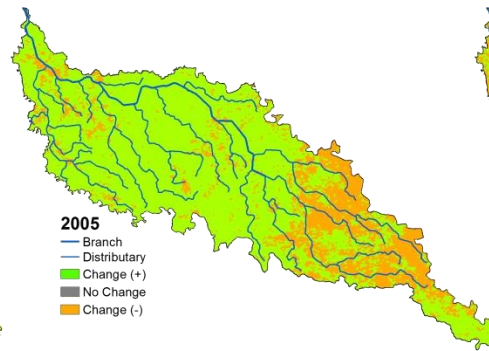
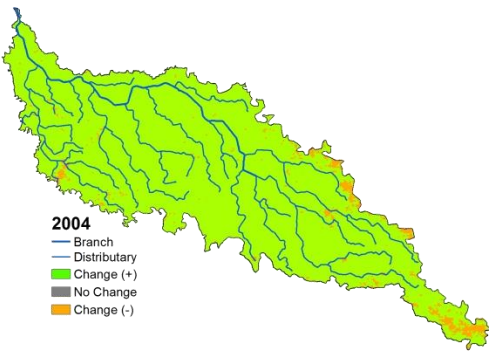
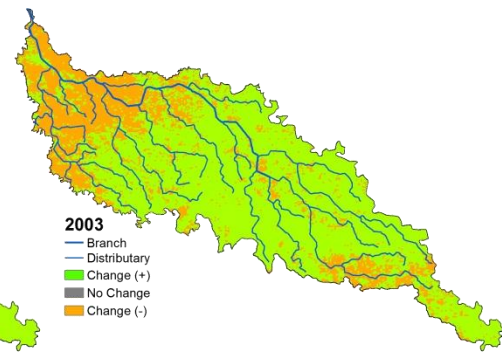
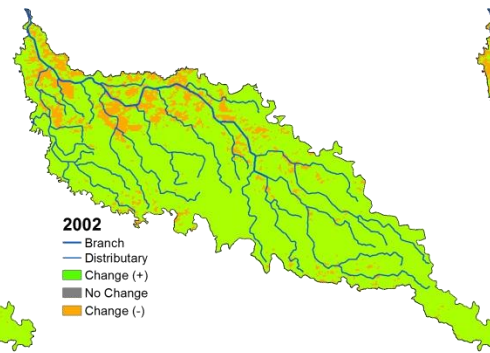
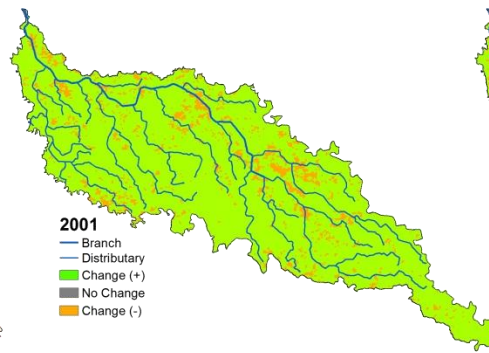
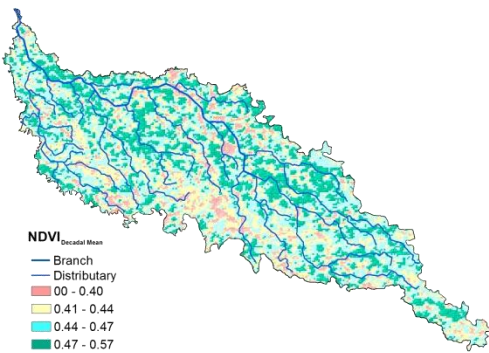


Procedure: Three vegetation indices used (EVI, NDVI and LSWI) to examine over time the cropping intensity, length of the growing season, and beginning and ending of the growing season.

Dynamics of Cropland Vegetation (2000-2009)



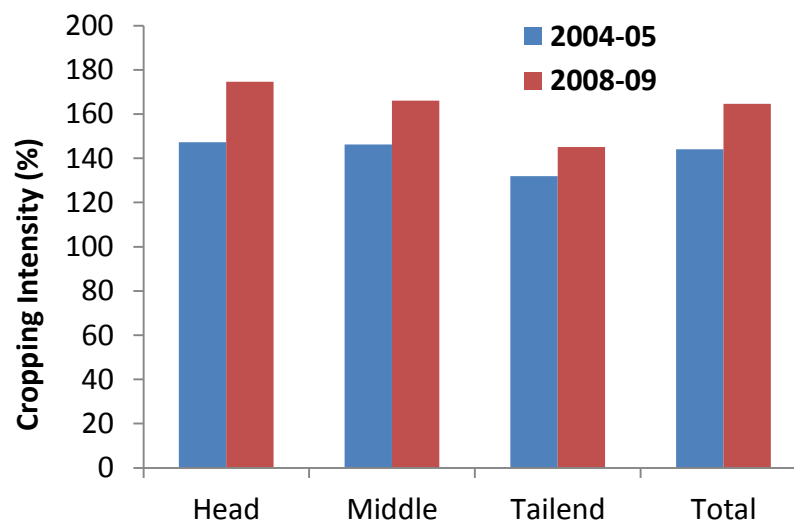
NDVI anomalies, a deviation from long-term mean (2000-2010)



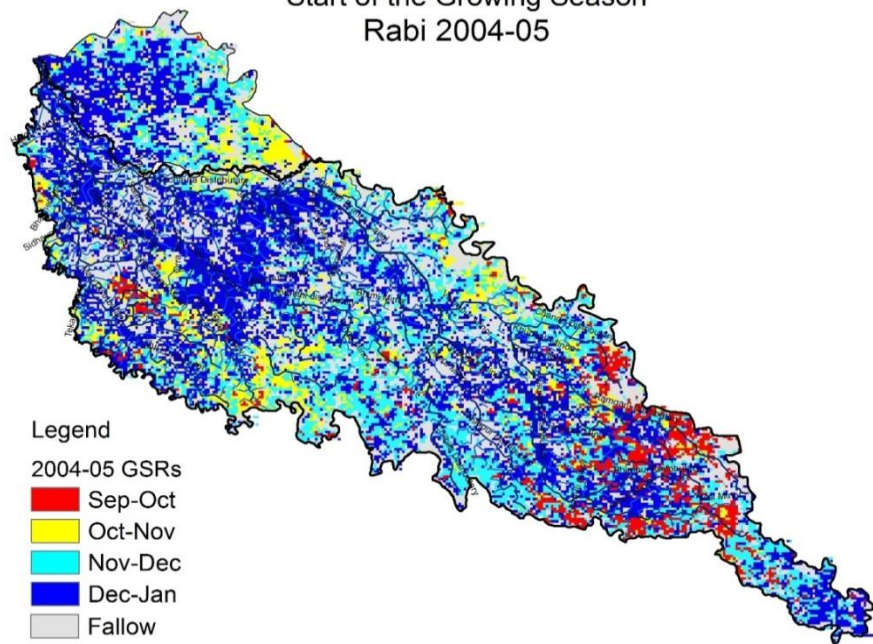
Cropping Intensity in Jaunpur Branch before and after project interventions

Cropping intensity = (Gross cropped area / Net sown area) x 100

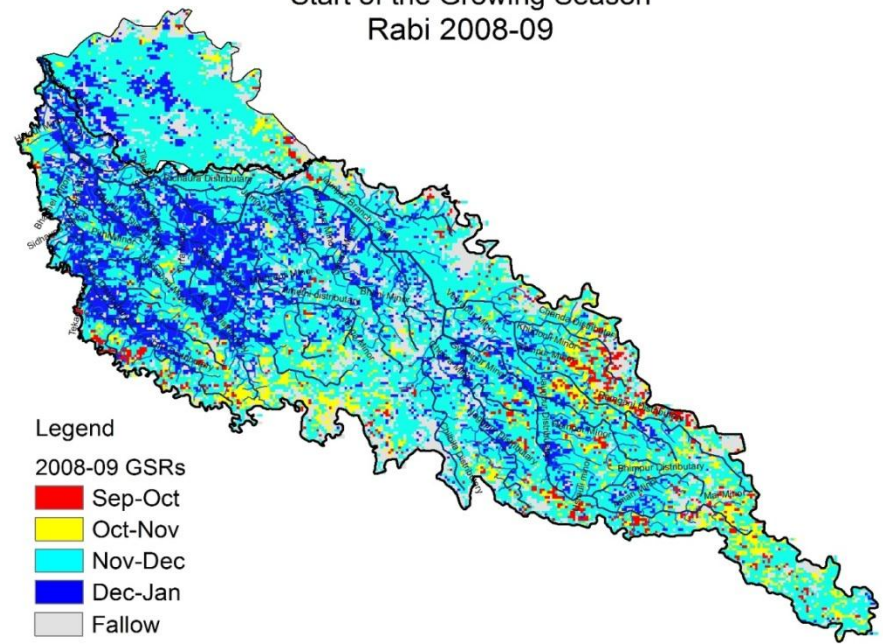
GW Zones	Net Sown Area		Gross Cropped area		Cropping Intensity	
	2004-05	2008-09	2004-05	2008-09	2004-05	2008-09
Head	88,958	108,506	130,983	189,472	147.24	174.62
Middle	241,617	261,778	353,479	434,639	146.30	166.03
Tail end	68,973	74,895	90,969	108,696	131.89	145.13
Total	399,548	445,178	575,431	732,807	144.02	164.61



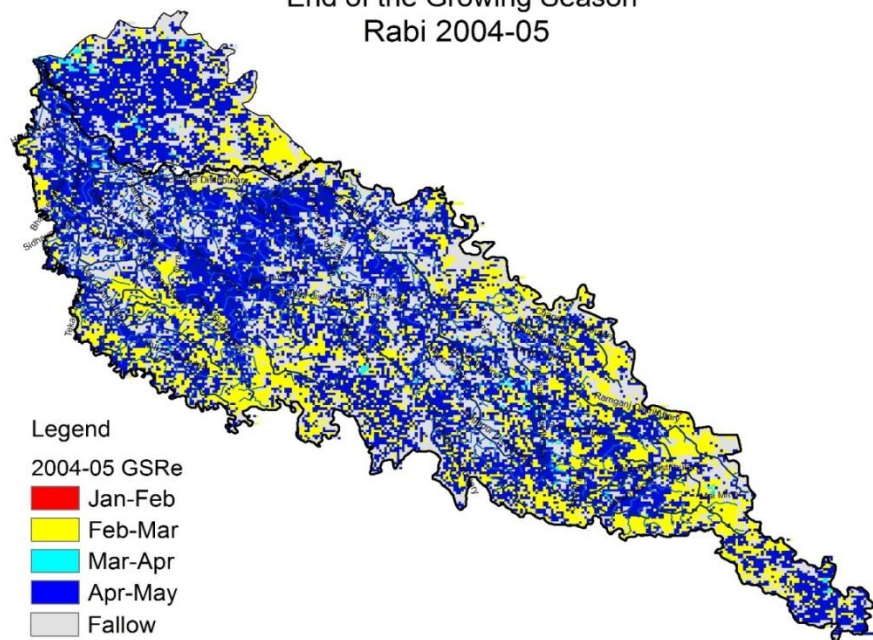
Start of the Growing Season
Rabi 2004-05



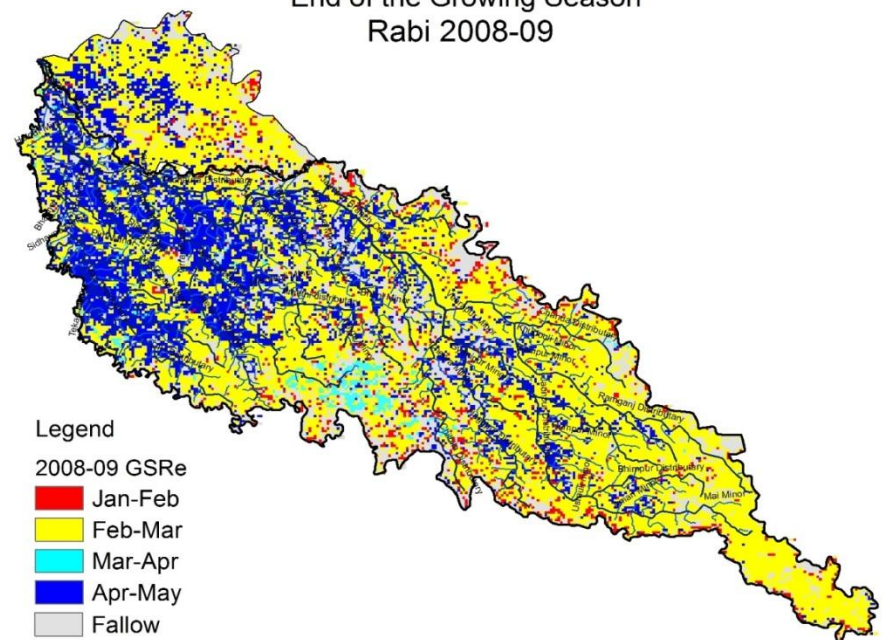
Start of the Growing Season
Rabi 2008-09



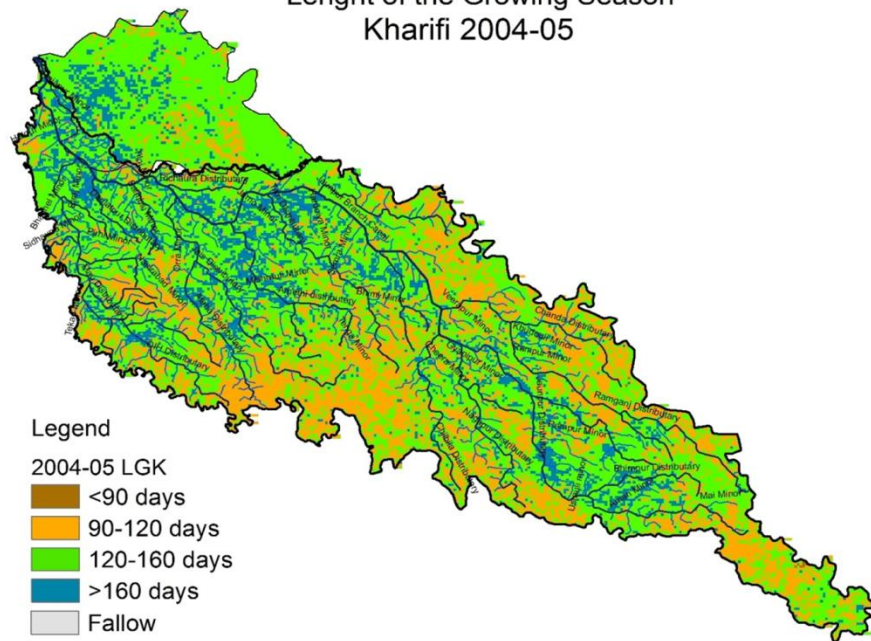
End of the Growing Season
Rabi 2004-05



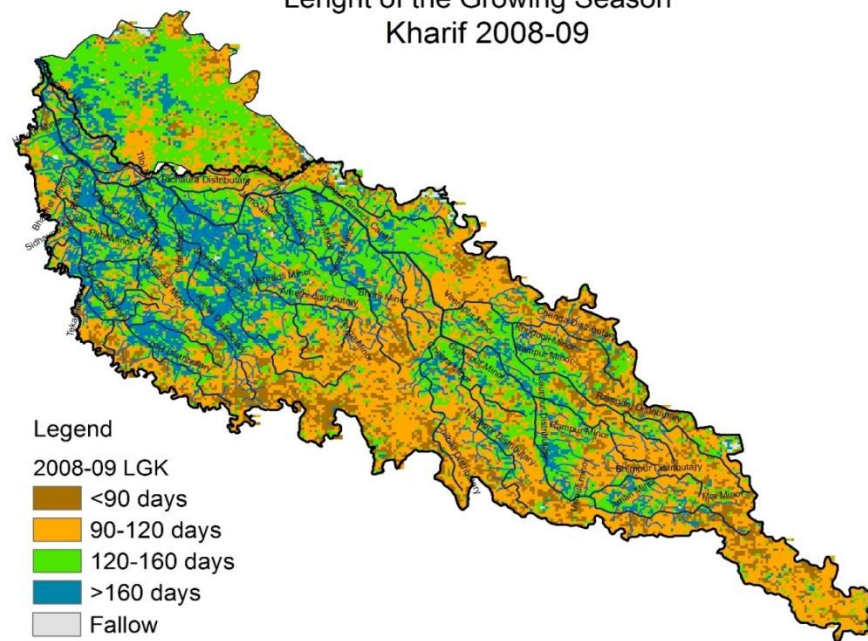
End of the Growing Season
Rabi 2008-09



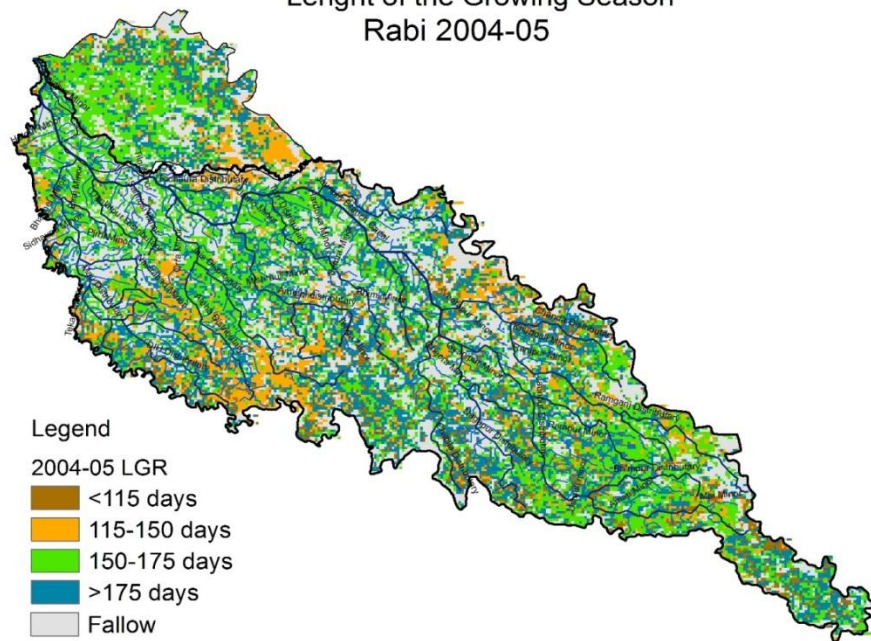
Lenght of the Growing Season
Kharifi 2004-05



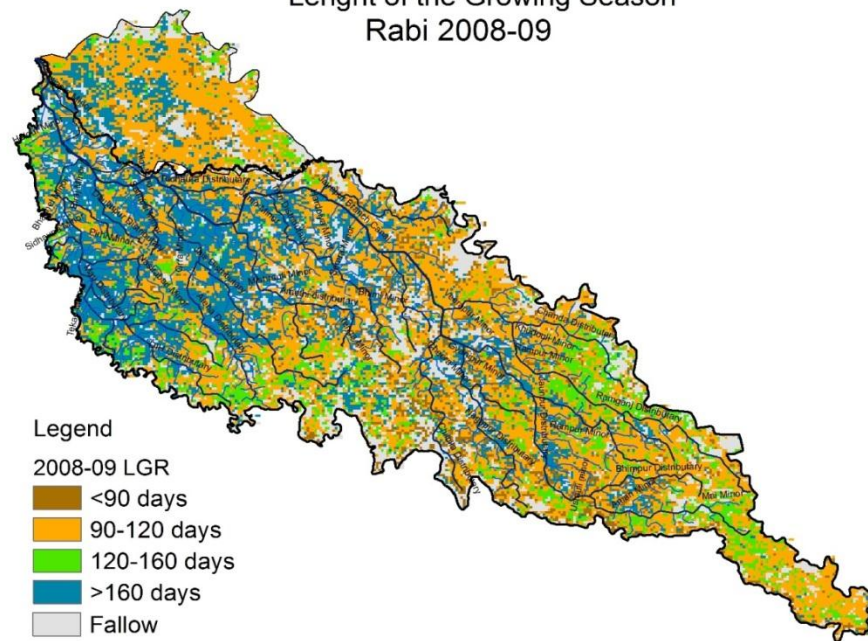
Lenght of the Growing Season
Kharif 2008-09



Lenght of the Growing Season
Rabi 2004-05



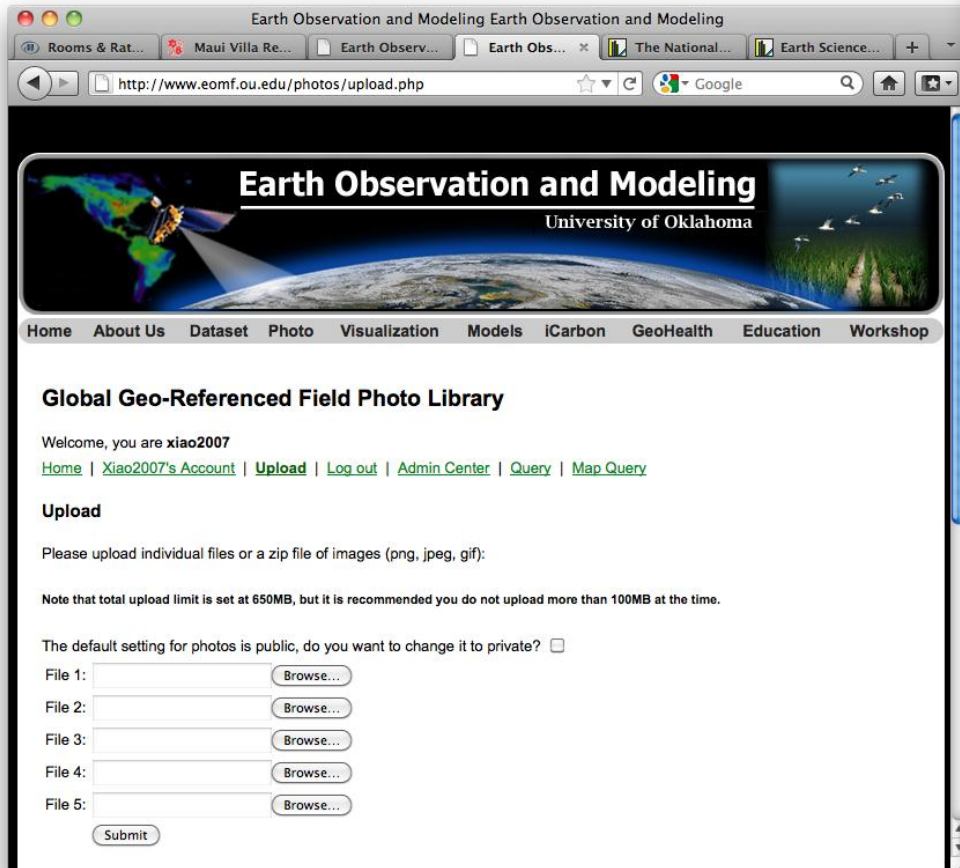
Lenght of the Growing Season
Rabi 2008-09



The Field-Photo Library at the University of Oklahoma

(<http://www.eomf.ou.edu/photos>)

Users can upload geo-tagged field photos, and classify photos by predefined land cover types (IGBP), and write additional information for photos. User can also download photos and thematic databases (e.g., land cover types).



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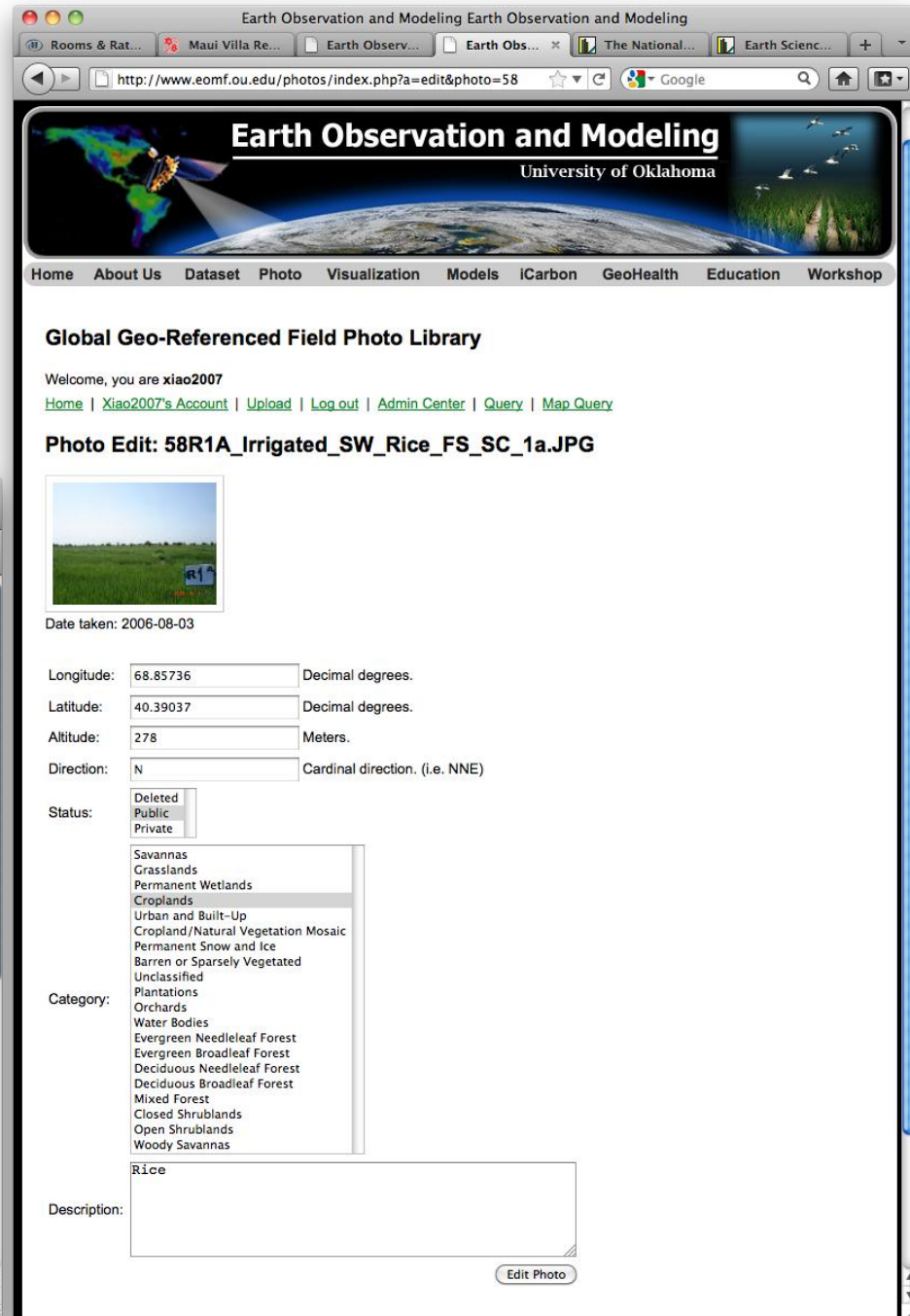
File 1:

File 2:

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Photo Edit: 58R1A_Irrigated_SW_Rice_FS_SC_1a.JPG



Date taken: 2006-08-03

Longitude: Decimal degrees.

Latitude: Decimal degrees.

Altitude: Meters.

Direction: Cardinal direction. (i.e. NNE)

Status:

Category:

Description:

- Savannas
- Grasslands
- Permanent Wetlands
- Croplands
- Urban and Built-Up
- Cropland/Natural Vegetation Mosaic
- Permanent Snow and Ice
- Barren or Sparsely Vegetated
- Unclassified
- Plantations
- Orchards
- Water Bodies
- Evergreen Needleleaf Forest
- Evergreen Broadleaf Forest
- Deciduous Needleleaf Forest
- Deciduous Broadleaf Forest
- Mixed Forest
- Closed Shrublands
- Open Shrublands
- Woody Savannas

Link geo-tagged photos with MODIS time series data for land use dynamics

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Date taken: 2006-07-07
68.857 °E, 40.3854 °N
Category: Croplands
MODIS time series data: [View](#)




Date taken: 2005-05-07
68.8595 °E, 40.3838 °N
Category: Croplands
MODIS time series data: [View](#)




Date taken: 2006-08-03
68.8574 °E, 40.3904 °N
Category: Croplands
MODIS time series data: [View](#)




Date taken: 2006-08-03
68.8563 °E, 40.3896 °N
Category: Croplands
MODIS time series data: [View](#)




Date taken: 2006-08-03
68.8574 °E, 40.3905 °N
Category: Croplands
MODIS time series data: [View](#)



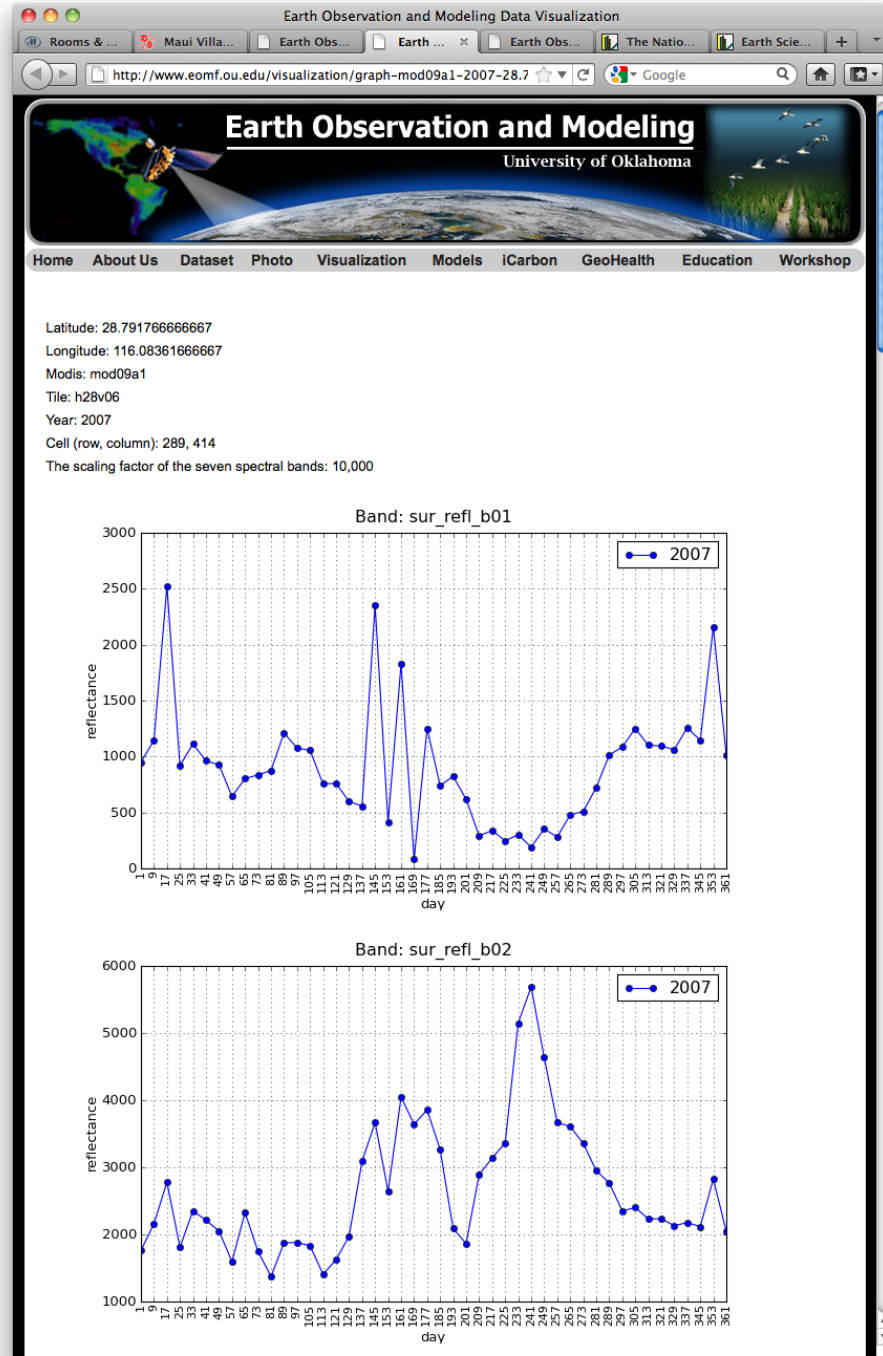
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68.8565 °E, 40.3906 °N
Category: Croplands
MODIS time series data: [View](#)



Date taken: 2006-08-03
68.8565 °E, 40.3905 °N
Category: Croplands
MODIS time series data: [View](#)



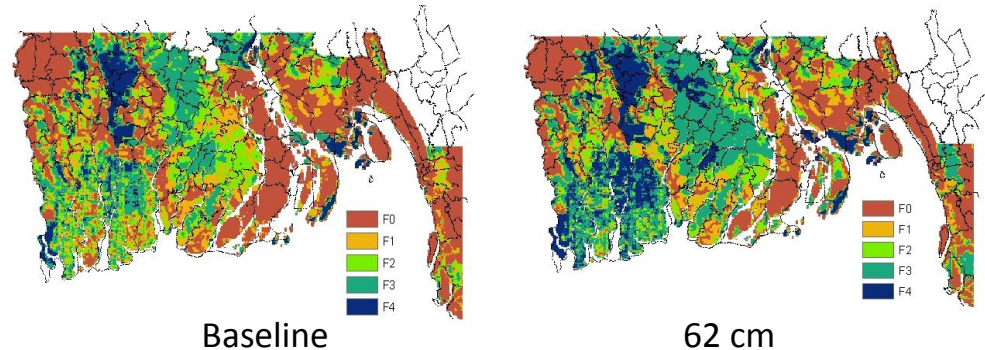
Date taken: 2007-05-25
116.7586 °E, 28.9063 °N
Category: Croplands
MODIS time series data: [View](#)



Question: Are current global sea level rise estimates relevant to the coastal areas of Bangladesh ?

Data: Landsat (2000-2009)

Most impact assessments assume static coastlines



Baseline

62 cm

